Clinical Research Proceedings

Volume II, 1954

INDEXES

Clinical Research Proceedings, Vol. 2, 1954

No. 1, March

Abstracts submitted to Sectional meetings of the American Federation for Clinical Research:
Midwestern Section, Chicago, October 1953, *page 1*
Eastern Section, Boston, January 1594, *page 29*
Notices of Importance to Investigators, *page 49*

No. 2, April

Program, *page 51*
Abstracts submitted to the National Meeting of the American Federation for Clinical Research, Atlantic City, May 1954, *page 53*

No. 3, June

Editorial, *page 109*
Current Comment, *page 110*
Abstracts submitted to Sectional meetings of the American Federation for Clinical Research:
Southern Section, New Orleans, January 1954, *page 112*
Western Section, Portland, Ore., January 1954, *page 137*
Notices of Importance to Investigators, *page 152*
Author Index (pp. 109–152), *page 153*

No. 4, September

Editorial: An Experiment in Medical Journalism, *page 155*
Presidential Address: On Building Walls, *page 156*
Current Comment: Drug Therapy of Hypertension, *page 159*
Notices of Importance to Investigators, *page 162*
Membership Roster, American Federation for Clinical Research, *page 165*
Annual Author Index, *page 190*
Annual Subject Index, *page 193*

AUTHOR INDEX

Abbott, L. D., Jr., 57, 113
Abelman, W. H., 47, 149
Adamis, D., 33, 62
Adams, J. E., 141
Aggeler, P. M., 137, 150
Alberta, E., 116
Albright, F., 40, 79
Alfaro, R. D., 41
Almy, T. P., 44
Alpen, E. L., 54
Alvarez, R. R. D., 146
Anderson, H. C., 75
Angrist, A., 63
Ansell, B., 79
Apt, L., 31, 53, 58
Araujo, J., 64
Aronoff, A., 145
Arsdal, P. V., Jr., 144
Assali, N. S., 102, 147
Auchincloss, J. H., Jr., 94, 106
Axelrod, S. L., 61

Bagnall, A. W., 142, 145
Baird, W. W., 102
Bakke, J. L., 85, 143
Bakst, H., 37
Balfour, D. C., Jr., 148
Barclay, R. K., 45
Bargen, J. A., 89
Barkin, R. E., 76
Bass, D. E., 86
Bateman, J. C., 93
Battey, L. L., 73
Bayles, T. B., 54, 76
Beazley, H. L., 130
Becker, C., 128
Becker, E. L., 81
Beckner, E., 1
Bedell, G. N., 10
Behnke, R. H., 27
Bello, C. T., 70
Benenson, A. S., 91
Bentinck, R. C., 141
Bercu, B. A., 107
Berger, A. L., 67
Berglund, E., 35
Bergstrom, W. H., 80
Berkman, J., 72
Bhattacjaruua, P. K., 79
Bierman, H. R., 148
Binion, J., 97
Bird, R. M., 1, 114
Blair, E., 135
Bloom, W. L., 115
Blount, S. G., Jr., 9, 11, 67, 139, 150
Bogdonoff, M. D., 125
Bond, W. H., 1, 2
Boren, H. G., 28
Borden, C. W., 9
Borun, E. R., 87
Bowers, J. Z., 144
Boyd, L. J., 80
Brainerd, H. D., 146
Brandt, J. L., 43, 57
Braude, A. I., 112, 114
Braveman, W. S., 94
Breen, J., 44
Brick, I. B., 127, 132
Bricker, N. S., 22, 23, 96
Brodell, H., 58
Brody, M., 66
Brody, O. J., 89
Brooks, M., 114
Browder, E. J., 74
Brown, D. B., 84
Brown, E., 139
Brown, H., 84, 148
Brown, H. R., Jr., 37
Bruce, R. A., 139, 140
Brussel, M., 16
Bukantz, S. C., 19
Bunch, L. D., 20
Bunim, J. J., 55
Burch, G. E., 123
Burch, R. R., 121
Burchenal, J. H., 4, 46
Burnum, J. F., 116
Burrows, B. A., 81
Burson, N., 133
Burwell, C. S., 48

Cade, R., 106, 135
Cady, P., 34, 100
Caliva, F. S., 71
Camara, A. A., 26
Campbell, E. W., 61
Carabasi, R. A., 134
Cardillo, T. E., 94
Carey, F., 112
Carrera, A. E., 132
Carroll, E. L., 40
Cary, S. K., 61
Case, R. B., 35
Castleman, L., 43
Catanzaro, F. J., 75
Chamovitz, R., 75
Chapman, C. B., 5, 6, 12, 109, 116
Chase, J., 12
Chodos, R. B., 30, 31, 53
Clark, L. C., Jr., 16
Claudon, D. B., 8
Cline, F., Jr., 151
Coblentz, A., 148
Cochrane, G. C., 143
Code, C. F., 89
Coggins, R. P., 117
Coleman, D. H., 138
Colmore, J. P., 134
Colville, V. F., 60
Commons, R. R., 16, 144
Conrad, L. L., 87, 126, 127
Cook, A. W., 74
Cook, E. D., 42
Coon, W. W., 5
Copenhaver, J., 93, 129
Corcoran, A. C., 14, 15
Cowles, P. B., 93
Craig, J. W., 20
Creticos, A. P., 63, 64
Crile, G., 25
Crispell, K. R., 86
Crocker, T. T., 146
Cronkite, E. P., 62
Crosley, A. P., Jr., 14, 22
Crowell, J. W., 118
Crum, W., 74
Crumpton, C. W., 14, 22
Culbertson, J. W., 10, 23, 99
Curd, G. W., Jr., 7

Daley, R., 36, 64
Dann, S., 103
Danowski, T. S., 98
Davis, A. E., 148
Davis, W. M., 54
Davison, M. M., 100
Davolos, D., 12

DeBakey, M. E., 136
DeGraff, A. C., 103
Dempsey, E. F., 40
Dempsey, M. E., 9, 105
Denham, S. W., 122
Dennis, E., 13, 121
Dennis, E. W., 5
Derrick, W., 10
Desforges, J. F., 56
Dexter, L., 48, 68
Dickie, H. A., 91
Diggs, L. W., 113
Dodd, M. C., 2
Doelling, R., 135
Doig, R. K., 21, 30, 53
Donovan, J., 30
Doolan, P. D., 147
Dotti, L. B., 78
Douglass, R. A., 102
Dow, J. W., 48
Dowling, H. F., 90, 91
Duff, I. F., 5
Duggan, J., 106
Duke, J. E., 124
Duke, T. W., 73
Duncan, G. G., 34
Dustan, H. P., 14
Dyke, R. W., 8

Ebaugh, F. G., Jr., 55
Eckstein, J. W., 99
Eddelman, E. E., Jr., 117
Ehrenhaft, J. L., 10
Eik-Nes, K., 83
Eisenberg, S., 73, 119
Elgee, N., 78
Eliel, L. P., 126, 134
Ellison, R. R., 4, 46
Emerson, C. P., 54
Engel, F. L., 125
Entmacher, P. S., 88
Erslev, A. J., 29, 54
Estes, E. H., Jr., 68
Evans, J. M., 66

Farber, S. J., 82
Farrar, J. T., 44
Favour, C. B., 29
Feichtmeir, T. V., 150
Feldmahn, A., 77
Feldman, H. A., 75, 91
Ferris, B. G., Jr., 74
Field, J. B., 101
Finch, C. A., 138
Finch, S. C., 29, 54
Finkenstaedt, J. T., 95
Finnerty, F. A., 102
Fisch, C., 8
Fisher, H., 36
Flake, R. E., 128, 129
Foraker, A. G., 122
Forbes, A. P., 40, 79
Ford, D. K., 142
Ford, R. V., 13, 27, 131
Foreman, N., 143
Foster, J. J., 127
Foulk, W. F., Jr., 89
Frank, E. H., 80
Frank, N. R., 37, 47, 151
Fraser, R. S., 5, 6, 12, 116
Frawley, T. F., 41
Frayser, R., 135
Freeman, O. W., 130
Freinkel, N., 40
Freireich, E. J., 54
Freis, E. D., 38, 67, 120
French, A. B., 144
French, R. M., 66
Friedman, B. I., 3
Frommeyer, W. B., Jr., 134
Fukayama, G., 143
Furman, R. H., 25, 87, 126, 127

Gagliani, J., 103
Galioni, E., 85
Gambescia, J. M., 89
Gamble, J. R., 5
Garfinkel, B. T., 91
Geiger, E., 87
Gellin, G. A., 31
Gendel, B. R., 133
Gensini, G., 9, 67
Gerbode, F., 140
Gerstl, B., 148
Gerundo, M., 24, 140
Giansiracusa, J. E., 149
Gittler, R., 37
Glass, G. B. J., 31, 32, 80
Glazer, H. S., 3
Glick, S. J., 75
Glicksman, A. S., 78
Gofman, J. W., 85
Golbey, M., 80
Golden, A., 107
Goldsworthy, P. D., 138
Goldner, F., Jr., 46
Goldsmith, R. E., 85
Goodale, W. T., 35
Gordan, G. S., 141
Gordillo, G., 82
Gordon, D., 134
Gordon, G., 46
Gorlin, R., 36, 64
Gorsuch, T. L., 132
Grace, W. J., 30, 53, 124
Graham, D. T., 155
Graham, J. E., 143
Greaney, J. F., 45
Green, R., 128
Green, R. S., 12
Greenberg, M. S., 55
Greenman, L., 98
Greenspan, E. M., 100
Greenwald, J., 43
Gregory, L. J., Jr., 96 141,
Gregory, W. C., 112, 134
Griffin, J., 129
Grissom, R. L., 63, 64
Griswold, H. E., Jr., 138
Grob, D., 73
Grollman, A., 69, 83, 120, 123, 159
Grossman, C. M., 150
Guerra, S. L., 84
Guyton, A. C., 116, 118
Gwynne, A. D., 81

Hafkenschiel, J. H., 38
Halkett, J. A. E., 30, 53
Hall, B. E., 150
Hamermesz, J., 147
Hamrick, L. W., Jr., 127
Hamwi, G. J., 84
Hanlon, C. R., 11
Hanrahan, F. R., 8
Hardy, E. G., 136
Hare, J. D., 21
Harper, H. A., 142, 147
Harris, J. F., 71
Hartmann, R. C., 115
Harvey, A. M., 73
Haynes, F. W., 68
Heaney, R. P., 126
Heffer, E. T., 39, 40
Heinemann, H. O., 81
Heller, J. H., 93
Heller, P., 25
Hellerstein, H. K., 6
Henneman, P. H., 40, 79
Herndon, R. F., 20
Herschfus, J. A., 47
Hewlett, J. S., 25
Heyman, A., 73
Hickam, J. B., 135
Hickler, R. B., 35
Hicks, M., 99
Hill, R., 26
Hine, G. J., 81
Hinkle, L. E., Jr., 102, 111, 124
Hlad, C. J., Jr., 23, 96
Hodgson, P., 5
Hogness, J. R., 144
Hollander, W., 38, 70
Holley, H. L., 46, 76, 121, 122
Hollifield, G. F., 86
Hopper, J., Jr., 139
Horn, R., 106
Horwitt, B. N., 134
Hoseth, W., 9, 105
Houser, H. B., 75
Howard, R. P., 17, 25, 87, 126
Howe, J. S., 97
Howell, J. T., 55
Howell, R. A., Jr., 89
Huggins, R., 72
Hughes, W., 13, 72, 121
Hultgren, H., 140
Humoller, F. L., 25
Hurst, W. W., 138
Huckabee, W. E., 104
Huffman, E. R., 26
Hull, H. B., 8
Hussar, A. E., 46
Huston, J. H., 14
Hyman, I., 42

Iglauer, A., 13
Ingbar, S. H., 40, 86
Inkley, J. J., 11
Inkley, S. R., 6
Innerfield, I., 34, 63
Iseri, L. T., 15

Jackson, F., Jr., 44
Jackson, G. G., 90, 91
Jacobs, G. J., 62
Jacox, R. F., 77
Jaenike, J. R., 103
Jahn, J. P., 145
James, G. W., III, 57, 113
Jandl, J. H., 56
Jefferies, W. McK., 16
Jenkins, D. E., 28
Jenson, R. L., 45
Jeter, B. J., 126
Joel, W., 69
Johns, R. J., 73
Johnson, R. L., Jr., 104, 105
Jones, F. L., 132
Jones, H. H., Jr., 20
Jones, L. C., 128
Judson, W. E., 38, 70
Juniper, K., Jr., 133

Kabat, E. A., 77
Kahn, S. S., 120, 131
Kark, R. M., 79
Karnofsky, D. A., 4, 45, 46
Karp, H. R., 115
Katz, S., 92
Katzka, I., 44
Kay, E. B., 9
Kaye, S., 134
Keaty, C., 17, 126
Kelly, F. J., 7
Kelly, J. J., 43
Kelly, K. H., 148
Kelly, L. W., Jr., 16
Kent, B., 26
Kerr, A., Jr., 117
Kessler, E., 95
Kilbourne, E. D., 22
Kiley, R. F., Jr., 42
Kimball, D., 33, 62
Kinsell, B. G., 60, 137
Kinsell, L. W., 143
Kirkendall, W. M., 23
Klapper, M. S., 120
Kleeman, C. R., 42, 86
Klingberg, W. G., 19
Knight, R. W., 26
Knight, W. A., Jr., 24
Knowles, H. C., Jr., 82
Knox, K., 34
Kofman, S., 91
Kolb, F. O., 142
Koulish, M. H., 24
Kowalski, H. J., 37, 47, 149
Krainin, M. J., 124
Kramer, J. D., 129
Kramer, N. C., 93
Kraus, A. P., 113
Kraus, L. M., 57
Kriete, B. C., 74
Kroop, I. G., 39, 40
Kruger, L. E., 74
Kuida, H., 68
Kupperman, H. S., 103
Kurnick, N. B., 132
Kyle, L. H., 125

Laan, W. P. V., 41
Lamdin, E., 42
Lange, K., 98
Lansing, P. F., 95
Larl, R. M., 96
Lashof, J., 41
Lau, F. Y. K., 66
Lavietes, P. H., 29, 54
Lawendel, H. W., 80
Lawrence, N., 85, 143
Lawrence, W. E., 120, 131
Leach, R. B., 17
Lear, A. A., 56
Leavell, B. S., 99, 112
Lee, S. L., 33
Leiter, L., 88
Lemon, H. M., 44, 100
Lepper, M. H., 90, 91
Levin, W. C., 113
Levine, H. D., 36
Levinson, D. C., 148
Levy, N. K., 99
Levy, R. P., 16
Ley, A. B., 31
Liao, S. J., 90

Lilienfeld, L. S., 38, 67, 120
Lindsay, A. E., 148
Lister, L., 125
Litter, J., 69
Little, R. C., 116
Livesay, W. R., 13
Lloyd, C. W., 80
Loewy, E., 80
LoGrippo, G. A., 108
Lorber, S. H., 43, 88
Lowe, C. U., 125
Luckey, E. H., 94
Lukas, D. S., 63, 64
Lyons, R. H., 71, 94

McCabe, M., 93
McCabe, W. R., 114
McConn, R., 13, 121
McCord, M. C., 9, 11, 139, 150
McCormack, L. J., 25
McGowan, J. A., 88
McIntosh, H. D., 68, 116
McIntosh, H. W., 143, 145
McIver, C., 142
McKenna, W. T., 105
McLean, C., 99
McMillan, I. K. R., 36, 64
McNeely, W. F., 47, 149
McWhorter, C., 24

Mabry, D. S., 2
Mackay, I. R., 138
MaCris, J. A., 5
Mader, I. J., 15
Madison, L. L., 73, 83, 123
Magidson, O., 148
Malbin, B., 150
Man, E. B., 41
Mandel, E. E., 132
Mandell, H. N., 107
Marble, A., 42
Marcus, P. S., 47
Marshall, E. E., Jr., 92
Marshall, H., 151
Marshall, R. A., 1
Martin, C. J., 151
Martin, S., 128
Masouredis, S. P., 58
Massod, M. F., 76
Mathews, M. B., 36, 64
Maxell, N., 12
Maxwell, G. M., 14
Meacham, G. C., 3
Mead, J., 151
Meagher, T. R., 145
Medd, W. E., Jr,. 36, 64
Mednicoff, I. B., 61
Mellinger, R. C., 83
Mendeloff, A. A. I., 21
Meng, H. C., 115
Merendino, K. A., 140
Meroney, W. H., 20, 108
Merrill, A. J., 124, 130
Merrill, J. P., 95
Meszaros, J., 78, 85
Metcoff, J., 82
Meyer, J., 12
Michaels, G. D., 143
Michel, J. C., 140
Migeon, C. J., 144
Mikkelsen, W. P., 148
Miller, E., 42
Miller, G., 60
Miller, L. T., 91
Miller, M., 20
Miller, S. I., 13
Miller, W. F., 104, 105, 106, 135, 136
Mitchell, D. D., 122
Mitchell, J. H., 65
Moir, T. W., 6
Montgomery, A. V., 65
Monto, R. W., 32, 55
Moreau, L., 95
Morgan, H. R., 21
Morgan, M. C., 56, 78
Morlock, C. G., 89
Morowitz, H., 38, 67, 120
Morris, A. J., 75
Morris, G., 26
Morris, G. C., Jr., 136
Morrison, D. B., 57, 113
Morrison, R. S., 95
Moseley, V., 89
Motulsky, A. G., 137
Movitt, E. R., 148
Moyer, J. H., 13, 27, 72, 130, 131
Mudd, J. G., 11
Muehrcke, R. C., 96
Mueller, H., 67
Mueller, J. F., 3
Mullin, E. W., 94
Murison, P. J., 134
Murphy, M. E., 91
Murphy, M. L., 4, 46
Murphy, T. R., 12

Narahara, H. T., 145
Nasou, J. P., 45, 92
Nelson, W. P., III, 95
Nichols, N., 42
Nicholson, D. B., 102
Nomof, N., 139
Norman, P. F., 118

O'Connell, L. G., 56
Oseasohn, R. O., 91
Ostrom, E. J., 118
Overhulse, P. R., 108

Page, E. B., 119
Page, I. H., 14, 15
Palmer, E. D., 132
Palmer, L. J., 143
Palmer, R. A., 142
Pampush, J. J., 139, 140
Parrish, A. E., 97
Parson, W., 86
Parsons, J., 86
Partenope, E. A., 38, 67, 120
Pascale, L., 63, 64
Patel, D., 139
Patterson, J. L., Jr., 73
Pattison, A. C., 148
Patton, J. F., 22
Paulsen, C. A., 17
Pearson, R., 7
Penneys, R., 11, 65
Perrier, D., 22
Peterson, H. H., 145
Peterson, R. E., 55, 84
Pigman, W., 76, 121, 122
Pirani, C. L., 96
Platt, D., 121, 122
Plitman, G. I., 133
Plummer, N., 102
Polizo, D., 116
Pollycove, M., 31, 53, 58
Pool, J. G., 59
Portwood, R. M., 81
Post, R. S., 98
Pratt, M., 30
Prevedel, A. E., 65, 67
Prior, G., 16
Pucci, H., 44

Quinn, J. R., 27
Quinn, M., 86

Rabinowitz, M., 68
Rader, B., 67
Rain, L., 34
Raiss, L. G., 46
Rammelkamp, C. H., 75
Randall, H. T., 78
Rapaport, E., 68
Rawson, R. W., 78
Ray, C. T., 123
Rebuck, J. W., 32
Rector, F. C., Jr., 93, 129
Redisch, W., 71
Reeves, R. L., 143
Reifenstein, E. C., Jr., 17, 25, 126
Reilly, W. A., 66
Reisinger, E., 87
Reisner, E. H., Jr., 3, 56
Relman, A. S., 45
Rennels, E., 130
Reynolds, T. B., 148
Richards, M. D., 150
Richburg, P. L., 104, 105, 106
Rider, J. A., 149
Rifkin, H., 72
Rinzler, S. H., 37
Riser, A. B., 131
Rish, M. L., 2
Ritts, R. E., 45, 92
Rix, D., 79
Robbins, R., 78, 85
Roberts, A. D., Jr., 129
Roberts, K. E., 78
Robinson, H. S., 145
Rochlin, I., 118
Rodbard, S., 6
Rogers, S., 26
Rohn, R. J., 1, 2
Romansky, M. J., 45, 92
Rosano, C. L., 95
Rosenbaum, F. F., 8
Rosenblum, C., 56
Rosenthal, M. C., 59
Ross, G., 72, 100
Ross, J. F., 29, 30, 31, 53, 54, 58, 81
Roth, J. L. A., 74
Rowe, G. G., 14, 22
Rubenstein, E., 82
Rubin, A. L., 94
Rubin, G. R., 88
Rubinger, J. H., 85
Rubini, M. E., 42
Rubinstein, N., 97
Rudnicki, R. P. T., 113
Ruiz-Guinazu, A., 95
Ruskin, A., 130
Ryan, J. M., 8

Sachs, B. A., 34, 100
Sadoff, C. N., 9
Salomon, L., 33, 47, 61
Samuels, L. T., 83, 84, 144
Sandberg, A. A., 83
Sanders, M., 33
Sanford, J. P., 29
Santer, D. G., 8
Sarnoff, S. J., 35
Saslaw, M. S., 15, 128
Saxton, G. A., Jr., 10
Schaaf, M., 125
Schaefer, H. J., 107
Schaefer, R. D., 116
Schemm, F. R., 26
Scherr, E., 125
Schiffer, L., 94
Schilling, R. F., 3
Schieve, J. F., 8
Schlosser, J. V., 134
Schneider, R. A., 69, 135
Schoenberger, J. A., 96
Schottstaedt, W. W., 124
Schreiner, G. E., 97, 119, 129
Schroder, S., 133
Schwartz, W. B., 45
Scott, K. G., 66
Scribner, B. H., 142
Segal, M. S., 47
Segaloff, A., 134
Seldin, D. W., 81, 83, 93, 123, 129
Sellers, A. M., 38
Selverstone, L. A., 63, 64
Sensenback, W., 73
Sepulveda, G., 63
Shackman, N. H., 39, 40
Shapiro, A. P., 65, 69, 120
Sharpe, G. P., 118
Sharpe, L. E., 31
Shaw, C. C., 147
Shay, H., 43, 88
Shelton, E. K., 146
Shertenlieb, F., 42
Shock, N. W., 86
Shoemaker, E. H., 122
Shotton, D., 99
Shreeve, W. W., 147
Shulman, N. R., 114
Shuman, C. R., 66, 78
Siebens, A. A., 151
Sieker, H. O., 119
Siemienski, J., 112
Silver, H., 44
Silverthorne, C., 28
Simon, A., 85
Simon, D. L., 13
Sinton, D. W., 23
Sise, H. S., 33, 62
Skahen, R., 148
Skeels, R. F., 146
Skillern, P. G., 25
Slater, S. R., 39
Slobody, L., 98
Small, M. D., 44
Smith, E. K., 146
Smith, L. H., Jr., 98
Smith, R. W., Jr., 83
Smith, W. W., 67
Smyrl, S., 143
Smyth, C. J., 26
Sobel, E. H., 16
Soberman, R. J., 82
Soloff, L. A., 36
Soni, J., 58
Spaet, T. H., 59, 60, 137
Spengos, T., 69
Spurr, C. L., 27, 131

Stanley, M. M., 88
Steele, J. M., 71
Steenrod, W. J., Jr., 143
Stefanini, M., 33, 61
Steiger, W. A., 61
Stein, I., 37
Steinhauser, T. B., 37
Stephenson, L., 31
Sterling, K., 41
Stetson, C. A., 75
Stirrett, L. A., 23
Stollerman, G. H., 75
Storey, C. E., 151
Strang, R., 98
Streitfeld, M. M., 15, 128
Strieder, J. W., 29
Strisower, B., 85
Stunkard, A. J., 77
Suhrland, L. G., 4
Sullivan, J. F., 24
Sullivan, R. D., 45
Suyemoto, R., 147
Swan, H., 65
Swan, H. T., 3
Swisher, S. N., 58, 60
Sykes, M. P., 4
Szanto, P., 91
Szilagyi, D. E., 108

Tan, T. C., 4
Tate, N., 10
Taylor, I. M., 123
Taylor, R. D., 14, 15
Teng, H. C., 69, 120
Teschan, P. E., 98
Thomas, G., 145
Thompson, H. G., Jr., 94
Thorne, C. B., 115
Tobian, L., Jr., 97
Tobias, G. J., 45
Tokuyama, I., 17
Tomizawa, H. H., 145
Threefoot, S., 123
Townsend, E., 129
Travell, J., 37
Tribeman, M. S., 29
Tsai, S. Y., 113
Tucker, W. T., 118
Turin, R. D., 39
Turner, L. W., 70
Turner, R., 66
Tyler, F. H., 83, 84

Underwood, R. J., 138

Van Arsdel, P. P., Jr., 78
Van Italie, T. B., 78
Vaughan, J. H., 77, 114
Verstraeten, J. M., 47
Vilter, R. W., 3
Volwiler, W., 138

Wade, J. F., Jr., 134
Waldron, J. M., 34
Wallace, J. H., 2
Waller, M. V., 114
Warren, J. V., 68, 111, 116
Waterhouse, C., 103
Watkin, D. M., 86
Wechsler, R. L., 74
Weigand, F., 98
Weinstein, J., 37
Weisberger, A. S., 3, 4
Weitzner, H. A., 17, 18, 19
Wenk, E. J., 98
Westcott, R. N., 28
Wertheimer, L., 71
Whipple, G. H., 36
White, A. G., 88
White, W. E., 66
Whitner, V. S., 124
Wiegert, H. T., 142
Wild, J. B., 10
Wilkins, R. W., 69
Will, J. J., 3
Willardson, D. G., 84
Willett, F. M., 150
Williams, R. H., 78, 144, 145
Williams, W. L., 125
Willis, P. W., 5
Wilmore, R. C., 27
Wilson, C., 22
Wilson, G. M., Jr., 26
Wilson, J. S., 130
Wilson, R. H., 9, 105
Windesheim, J. H., 149
Witham, A. C., 117
Wjottemberger, J. D., 48
Wohl, M. G., 66
Wolf, S., 21, 108, 156
Wolff, H. G., 30, 124
Wolfson, W. Q., 27
Wood, J. E., 69
Wood, O. H., 66
Woodward, H., Jr., 20
Wright, C-S., 2
Wu, N., 105, 106
Wyngaarden, J. B., 84

Yielding, K. L., 76, 121, 122
Yiengst, M., 86
Yoe, R. H., 117
Young, I. I., 101
Young, L. E., 60
Yow, E. M., 122, 128, 129
Yuhl, E. T., 23

Zarafonetis, C. J. D., 60, 61
Zatuchni, J., 11, 36
Zimdahl, W. T., 42
Zimmerman, H. A., 8, 9
Zimmerman, H. J., 24, 25
Zinsser, H. F., Jr., 11

SUBJECT INDEX

Acid base balance
in craniocerebral trauma, 74
in normal and toxemic pregnancies, 147
in potassium depletion, 95
Acid loads, and ammonia excretion, 93
ACTH
and C- and Cx-reactive protein, 75
in Cushing's syndrome, 83
in erythocytic hypoplasia, 113
for "fibrinolytic states," 33
in idiopathic thrombocytopenic purpura, 61
in nephrotic syndrome, 98
for systemic sclerosis (scleroderma), 145
Addison's disease, carbonic anhydrase inhibitor administered in, 84
Adrenal
hypofunction, and diabetes insipidus, 142
steroids, metabolism in dying patients, 83
Adrenalin, in anxiety, 65
Adrenocortical function, and blood pyruvate and lactate responses, 41
Agammaglobulinemia, lymphopenic, in adult men, 101
Age
and cerebral blood flow, 141
and electrocardiography, 7
Air, ambient, and pneumoperitoneum, 28
Alcoholism, and heat pyrexia, 123
Alkaline phosphatase determinations, leukocyte, 58
Alkalosis, acute, and potassium metabolism, 42
Allergy, and collagen diseases, *see* Collagen diseases and allergy
Alveolar-arterial pressure in liver disease, 47
Amino acid
intake, and cortisone acetate, 126
pattern, in cystinuria, 142
pool, in myxedema, 86
Aminophylline, effects of, 103
Ammonia excretion
and acid loads, 93
and urine pH, Diamox in, 129
Ammonium chloride
acidosis, and renal function in normal and toxemic pregnancies, 147
administration of, 26
Amyloidosis, and multiple myeloma, 134
Anastomoses, atriocaval, 140
Androgens, and serum lipoprotein and globulin patterns, 126
Anemia
acute, hemodynamic effects of, 35
chronic, liver function tests in, 99
hemolytic
autoimmune, a case of, 60
"coating" globulins in, 114
treatment of, 3
of hepatic cirrhosis, 56
pernicious
ascorbic acid oxidation in, 3
and vitamin B_{12}, 3, 32, 56
and vitamin B_{12f}, 3
refractory, and thymona, 29
in rheumatoid arthritis, 54, 55
sickle cell, erythrocytes in, 57, 113
of thermal injury, a study of, 54
"Anemic" factor, observations of, 29
Angina of ergonovine, and ethyl chloride, 37
Angina pectoris
ballistocardiography in, 65
ethaverine for, 13
Angiocardiography, an evaluation of, 37
Anorexia nervosa, serum albumin in, 79

Antibiotic(s), 21–22, 45, 90–93, 128–129, 146–147
broad spectrum, and renal function, 93
efficacy of, 93
-hormone therapy, observations on, 145
Antibody
in pathogenesis of rheumatic fever, 75
skin sensitizing, in antisera, 77
Anticholinergic drugs, and pepsin and uropepsinogen, 44
Anticoagulant(s)
activity
and hemophilia, 60
of heparin, 34, 115
proconvertin test in, 62
Antigen
in pathogenesis of rheumatic fever, 75
skin-sensitizing, in sarcoidosis, 141
Antihemophilic globulin deficiency, and ethionine, 59
Anxiety, T wave and adrenalin in, 65
Aortic valve disease, and left-ventricular function, 64
Arfonad, and surgical hemostasis, 136
Arterial
homografts, clinical observation of, 108
oxygen
in pulmonary hypertension, 11
unsaturation, study of, 48
pressure, and intrathoracic pressure, 68
saturation, in mitral stenosis with O_2 inhalation, 11
Ascites, tense, and cardiac output, 149
Atropine, with acetyl strophanthidin-controlled auricular fibrillation, 8
Auricular fibrillation, strophanthidin-controlled, and atropine, 8

Ballistocardiogram
clinical and laboratory correlation of, 7
effects of dampening on, 118
Ballistocardiography
in angina pectoris, 65
an evaluation of, 37
and Neosynephrin, 37
Bile flow, effect of oral bile acids on, 149
Biopsy, kidney, clinical value of, 96, 97
Blood, 1–5, 29–35, 53–63, 112–115, 137–138
coagulation
in lupus erythematosus, 33
a proteolytic inhibitor in, 114
effect of sonic energy on, 61
flow
fluctuation, 38
in hepatic coma, 74
uterine, measurement of, 102
gas exchange, and Diamox, 94
glutathione levels, in normalcy, osteoarthritis, rheumatoid arthritis, lupus erythematosus and dermatomyositis, 76
ion concentration, and glucose and fructose, 78
lactate response, 41
levels, theophylline, 103
lipids, and heparin, 34
lymphocytes, motility patterns of, 1
pressure
and exercise, 5, 116
and ganglionic blocking agents, 13
and glomerular filtration rate in hypertension, 13
in hypertension, 38
pyruvate response, 41
refrigerated, contamination of, 112
transfusion, and surgical bleeding, 61
volume
in congestive heart failure, 110, 119
determined by radiochromium-tagged red cells, 66
in pericarditis before and after surgery, 139
pulmonary, determination of, 68
Blood cell(s)
production, and humoral factor, 29
red
concentration, and serum sodium, 82
in congestive heart failure, 119
count, phagocytosis of, 2
destruction in sickle cell anemia, 57
life span in thermal injury, 54
and plumbism, 55
in premature infants, 112
in sickle cell anemia, 113
volume, and plasma sodium, 124
white
alkaline phosphatase determinations, 58
exposed to *Micrococcus aureus*, 128
and irradiation, 144
Body
fluids
distribution in hypertension, 69
proconvertin test in, 62
sodium, in heart, hepatic and renal disease, 82
water
in heart, hepatic and renal disease, 82
and hypophysectomy, 80
and pitressin, 80
Bowel
motility, in duodenal ulcer and ulcerative colitis, 89
movements, controlled in myocardial infarction, 12
Breathing, diaphragmatic, value of, 136
Bromide intoxication, and mercurial diuretics, 46
Bromsulfalein, plasma clearance of, 99

Bronchial disease
breathing in, 106, 135

Calcification, valvular, planigraphy in, 36
Calcium Disodium Ethylenediamine Tetra-Acetate, for lead poisoning, 134
Cancer, mammary, and estrogen therapy, 134
Carbohydrate deprivation, effects of, 20
Carbon dioxide levels, alveolar during mitral valve surgery, 10
Carbonic anhydrase inhibitor, in Addison's disease, 84
Carcinoma, mammary, cortisone and hydrocortisone for, 100
Cardiac
calcification, planigraphy in, 36
decompensation, and thiamine deficiency, 66
dilatation, and hypertrophy, 117
enlargement, following mitral commissurotomy, 11
output
and blood volume, in pericarditis before and after surgery, 139
in cirrhosis and tense ascites, 149
serial determinations of, 138
research, editorial, 109
Cardiovascular function, with healed myocardial infarction, 12
Cardiovascular system, 5–15, 35–39, 63–72, 116–121, 138–141
Carotid artery, catheterization of, 127
Catheterization of hepatic vein, to measure portal venous pressure, 148
Cell(s)
islet, tumor of, 25
latent viral infections of, 21
spindle, neoplasm, 25
tart, production of, 114
Central nervous system, 15, 73–75, 141
Cerebral blood flow
in aging, cerebrovascular disease, schizophrenia and multiple sclerosis, 141
Cerebral circulation
in hypertension, 73
in hyperthyroidism and myxedema, 73
Cerebrospinal fluid pressure, in hypertension, 15
Cerebrovascular disease, cerebral blood flow in, 141
Chloride spaces, and extracellular fluid volume, 81
Chlorpromazine, as antiemetic, 26
Cholecystectomy, and bile flow, 149
Choline theophyllinate, effects of, 103
Circulation
portal, method of studying, 148
splanchnic, and protein, 43

Circulatory
adjustments, venomotor tone in, 119
dynamics, in aortic stenosis, 36
filling pressure, measurement of, 116
insufficiency, evaluation of, 104
Cirrhosis
anemia of, 56
biliary, sitosterol for, 127
cardiac output in, 149
and choline deficient diet, 24
esophageal varices in, 132
Coagulation factors, and ethionine, 59
Cocarboxylase concentration, in heart failure, 66
Colitis, ulcerative
erythema nodosum in, 127
motility of small bowel in, 89
Collagen diseases and allergy, 15–16, 39–40, 75–77, 121–122, 141
Compound E, in idiopathic thrombocytopenic purpura, 61
Compound F
in idiopathic thrombocytopenic purpura, 61
for rheumatic fever, 75
Coronary
insufficiency, 35
resistance and flow in anemia, 35
Cor pulmonale, physiologic measurements in, 12
Cortisone
acetate, and amino acid intake, 126
and C- and Cx-reactive protein, 75
clearance of, 84
in congenital adrenal hyperplasia, 16, 146
depressing effect, reversal of, 93
effect on heart and liver, 125
for "fibrinolytic states," 33
for mammary carcinoma, 100
and myocardial lesions, 22
in nephrotic syndrome, 98
and postoperative salt and water retention, 145
for rheumatic carditis, 39
therapy, a protective regime for, 16
Coxsackie viruses, and myocardial lesions, 22
Craniocerebral trauma, acid-base balance in, 74
Cumertilin, clinical study of, 131
Cushing's syndrome, ACTH in, 83
Cyst fluid, dynamics and chemical anatomy in cystic diseases of the kidney, 22
Cystinuria, amino acid pattern in, 142

Dehydrogenase activity, in inflammations, 122
Deuterium oxide, migration of, 38, 120
Dextran
effects of, 103
and hemostasis, 115
Dextrose tolerance test (6-hour)
as diagnostic and clinical tool, 18
and headache, 18
to produce hypoglycemia phenomenon, 17
Diabetes
and fructose reabsorption, 23
insipidus, and pituitary and adrenal hypofunction, 142
mellitus, serum phospholipid in, 78
and pituitary growth hormone, 125
serum mucopolysaccharides in, 72
Diabetic vascular disease, plasma lipids in, 143
Dialysis, and potassium depletion, 46
Diamox, and electrolyte and blood gas exchange, 94
Diet, choline deficient, and cirrhosis and hepatoma, 24
Digitalis, for heart failure, 67
Digitalization, acute, and mitral stenosis, 64
Dihydrotestosterone, metabolic response to, 86
Dipaxin, clinical evaluation of, 5
Dirnate, clinical experience with, 147
Diuresis
and body weight in congestive heart failure, 120
effect of Dextran on, 98
and emotions, 124
in refractory edema, 94
Diuretic(s)
Dirnate as, clinical experience with, 147
mercurial
for bromide intoxication, 46
in congestive heart failure, 67
efficacy of, 27, 131
oral, bioassay of, 131
Duodenal ulcer, motility of bowel in, 89
Dysphagia
esophageal transport in, 43
roentgenology in, 88

Edema
nephrotic, and Dextran, 98
refractory, and diuresis, 94
sodium retention in, 82
Electrocardiograms
a study of 1000, correlating the effects of age, obesity and hypertension, 7
Electrocardiography, "simplified," 117
Electrogastrogram
in gastric potentials and secretion, 44
Electrolyte(s)
content,
and pitressin, 80
and hypophysectomy, 80
effect of Diamox on, 94
exchanges
after nephrectomy, 123
in potassium deficiency following nephrectomy, 83
excretion
and emotions, 124
and intraperitoneal air, 96
in gastric secretion, 88
and renal deficiency, 97
in saliva, 88
space and mass, calculation of, 123
Electromyography, in spinal cord reflex, 73
Electrophoresis
convection, to separate hemoglobins, 57
evaluation of in rheumatic fever, 40
filter paper, clinical application of, 25
of serum proteins, 138
Emesis, control of, 26
Emphysema
pulmonary
diaphragmatic breathing in, 136
oxygen and depressants in, 105
pulmonary vascular resistance in, 105
venesection in, 106
Endocarditis, bacterial, streptomycin and erythromycin for, 128
Endocrine gland(s), 16–20, 40–43, 77–87, 122–127, 142–146
Erythema nodosum, in ulcerative colitis, 127
Erythroblastosis fetalis
"coating" globulins in, 114
hematologic pattern of, 56
Erythrocyte, *see* Blood cells, red
Erythromycin
for bacterial endocarditis, 128
for bacterial pneumonia, 45, 92
Erythropoiesis
and inflammations, 54
radioactive iron in, 31
Esophageal
transport, roentgen studies of, 43, 88
varices, in portal cirrhosis, 132
Estrogen(s)
assayed by depression of gonadotropin excretion, 17
and serum lipoprotein and globulin patterns, 126
therapy
and gonadotropin levels, 126
for mammary cancer, 134
and urinary gonadotropin levels in castrate women, 17
Ethaverine, for angina pectoris, 13
Ethionine, and clotting factors, 59
Ethyl chloride, and angina of ergonovine, 37
Ethylene diamine tetra-acetic acid, and prothrombin assay, 62
Euthyroidism, and thyroxine and triiodothyronine, 41
Exercise
cardiopulmonary effects of in heart and lung disease, 6
effect of on blood pressure and pulse rate, 5
response to after thoracocervical vagectomy, 6
Exophthalmos, radioiodine uptake in, 144
Eye disease, and corticotropin therapy, 27

Ferrokinetics, radioactive iron in, 31
"Fibrinolytic states," and ACTH and cortisone, 33
Fibrosarcoma, diagnosis of, 25
Fischer, Karl, titration method, 79
Fistula, arteriovenous, and protein, 119
Fluid volume, radiosulfate, chloride and sodium spaces in, 81
Forssman antibodies, cold hemaglutinins as, 60
Fructose
and blood and urine ion concentration, 78
reabsorption, in diabetes, 23

Gallbladder
disease
and acid precipitable globulins, 100
peculiar crystals in, 133
scintography in, 23
and serum mucoprotein, 132
reservoir, function of, 89
visualization, 133
Gastrectomy, total, and Vitamin B_{12} absorption, 31
Gastric
acidity, and iron absorption, 30
secretion
and the electrogastrogram, 44
electrolytes in, 88
Gastrointestinal
pressure and motility, measurement of, 89
system, 21, 43–44, 88–90, 127
tract, iron absorption from, 53
Genetic hemoglobins, 113
Globulin "coating," in erythroblastosis fetalis and acquired hemolytic anemia, 114
Glomerular filtration rate
and clearance of I^{131}, 96
in hypertension, 13
Glucagon
distribution of, 78
and peripheral glucose utilization, 78
Glucose
and blood and urine ion concentration, 78
utilization, and glucagon, 78
Glycogen storage, and liver phosphorus, 42
Gonadotropin
excretion, in assaying estrogens, 17
levels
and estrogen therapy, 126
urinary, in castrate women, 17

Head, chronic venous congestion of, 38
Headache, migraine, produced by 6-hour dextrose tolerance test and insulin hypoglycemia, 18
Heart
beats, a study of, 116
catheterization, and pericardial disease, 9
disease
body sodium and water in, 82
congenital familial incidence of, 8
and exercise, 6
inulin and NaPAH clearance and sodium and water excretion, 130
effect of cortisone on, 125
failure
blood volume determination in, 66
congestive
blood volume and venous pressure in, 110
blood volume, red cell mass and plasma volume in, 119
body weight and diuretics in, 120
digitalis and mercurial diuretics in, 67
hexamethonium in, 121
pulmonary circulation in, 67
and intracranial pressure, 38
thiamine and cocarboxylase concentration in, 66
fibrillated, massage of, 118
size, affected by Dextran, 98
sounds and murmurs, time-base analysis of, 6
see also Cardiovascular system; Cardiac
Heat pyrexia, and alcoholism, 123
Hemagglutinins, cold, Forssman-like behavior of, 60
Hematocrit
in premature infants, 112
studies in polycythemia and leukemia, 58
Hematopoiesis, in myelogenous leukemia, 58
Hemochromatosis, iron absorption in, 30, 53
Hemoglobin(s)
C, and electrophoresis convection, 57
and genetics, 113
in premature infants, 112
Hemoglobinopathies, hereditary, 137
Hemophilia
anticoagulant activity in, 60
diagnosis of, 137
Hemosiderosis, in liver disease, 24
Hemostasis, macromolecular substances in, 115
Heparin
and blood lipids, 34
effect on phenol turbidity and serum lipids, 34
lipemia clearing and anticoagulant effects of, 115
Hepatectomy, and hydrocortisone, 145
Hepatitis, viral, morphologic liver changes in, 148
Hepatolenticular degeneration, and copper metabolism, 42
Hepatoma, and choline deficient diet, 24
Hexamethonium
with hydrazinophthalazine for, hypertension, 14
with *Rauwolfia serpentina* for hypertension, 13
in venous hypertension of congestive heart failure, 121
Histoplasma capsulatum, infection with, 91
Hormone(s)
adrenal, action of, 27
-antibiotic therapy, observations on, 145
pituitary growth, diabetogenic activity of, 125
"Host factor," in human illness, 102
Hydrallazine
with *Rauwolfia serpentina* for hypertension, 13
sequelae of, 14
Hydrazinophthalazine
-hexamethonium therapy for hypertension, 14
in hypertension, 70
Hydrocortisone
acetate, in rheumatoid arthritis, 122
clearance of, 84
in congenital adrenal hyperplasia, 16
and hepatectomy, nephrectomy and splenectomy, 145
for mammary carcinoma, 100
Hyperbilirubinemia, and gallbladder visualization, 133
Hypercalcuria, in sarcoidosis, cause of, 40
"Hyperinsulinism," produced by 6-hour dextrose tolerance test, 18
Hyperparathyroidism, diagnosis of, 125
Hyperplasia, congenital adrenal, cortisone and hydrocortisone for, 16, 146
Hypertension
cerebral circulation and metabolism in, 73
and cerebrospinal fluid pressure and papilledema, 15
differentiated from toxemia, 102
and drug therapy, 70, 159
and electrocardiography, 7
fatal, in systemic sclerosis, 145
and fats, 140
fluid compartments in, 120
and glomerular filtration rate, 13
and hexamethonium, 121
effects of L-hydrazinophthalazine on, 14
effect of hydrazinophthalazine-Hexamethonium on renal function in, 14
hydrazinophthalazine and sodium excretion in, 70
pulmonary
and arterial oxygen, 11
of unknown etiology, 150
and *Rauwolfia serpentina,* 13
Reserpin for, 38, 72, 121
salt excretion in, 70
sodium intake and body fluid distribution in, 69
toe plethysmography in, 71
Veriloid and Rauwiloid for, 70

Hyperthyroidism, cerebral circulation and metabolism in, 73
Hypertrophy
cardiac
and cardiac dilatation, 117
and fats, 140
ventricular action in, 117
ventricular, vectorcardiography in, 36
Hypoglycemia
insulin-induced, to control sleep paralysis, 19
and menopause symptoms, 17
"spontaneous," produced by 6-hour dextrose tolerance test, 18
Hypophysectomy, and body water and electrolyte content after pitressin, 80
Hypoplasia, erythrocytic, ACTH and splenectomy in, 113
Hypoprothrombinemia, and vitamin K, 5
Hypothermia, prostigmine in, 66
Hypotension
arfonad in, 136
postural, pharmacodynamics of, 69
vasopressor agents in, 130
Hypoxia, and emphysema, oxygen and depressants in, 105

I^{131} *see* Radioiodine
Idiopathic thrombocytopenic purpura, ACTH, compounds E and F and splenectomy in, 61
Infection
with histoplasma capsulatum, 91
latent viral, of cells, 21
see also Infectious diseases and antibiotics; Antibiotic(s)
Insulin
allergy and resistance, skin test responses of, 19
in cerebral metabolism, 127
NPH, an evaluation of, 143
Intestinal
amebiasis, nondysenteric, symptoms of, 91
motility records, interpretation of, 44
Inulin
clearances
with exercise in heart disease, 130
in thyroid and renal function, 23
and radiosulphur, distribution of, 81
Iodide
inorganic, and thyroid, 40
ion, in thyroid, 41
renal excretion of, 96
and release of hormone from toxic thyroid glands, 85
Iodine
protein-bound, release and utilization of, 85
stores, in thyroid, 41
thyroidal, nonequivalence of, 85
Iron
absorption
evaluation of, 30
from gastrointestinal tract, 53
binding capacity, in premature infants, 112
deficiency, 30
food, absorption of, 30, 53
inorganic, absorption of, 53
radioactive
in evaluating absorption, 30
in evaluating erythropoiesis and ferrokinetics, 31
in food, 30
Isoniazid
effect of high doses of, 45
and tubercle bacilli, 92

Ketosteroid secretion, in congenital adrenal hyperplasia, 16
Kidney
cystic diseases of, 22
hypertensive, effect of sodium p-sulfamyl benzoate on, 22
and urinary tract, 22–23, 45–46, 93–99, 129–132, 147–148
see also Renal
Kinetocardiography, in ventricular hypertrophy, 117

Lead poisoning, treatment of, 134
"L. E." phenomenon, time-lapse microcinematographic studies of, 2
Leukemia
acute, Mercaptopurine for, 133
early atypical manifestations of, 3
hematocrit studies in, 58
and Mercaptopurine, 4
myelogenous, 58
rectal administration of urethane in, 4
Leukocyte, *see* Blood cells, white
Lipemia, clearance, and heparin, 115
Liver, 23–24, 99–100, 132–133, 148–149
coma, blood flow and O_2 consumption in, 74
disease
and acid precipitable globulins, 100
alveolar-arterial pressure in, 47
body sodium and water in, 82
corticosteroid metabolism in, 84
hemosiderosis in, 24
in a possible new syndrome, 8
scintography in, 23
and serum mucoprotein, 132
effect of cortisone on, 125
function
a new measure of, 132
tests, in chronic anemia, 99
morphologic changes of, from viral hepatitis, 147
see also Hepatic
Lung disease, and exercise, 6
Lupus erythematosus
acute disseminated, serum from patients with, 2
blood glutathione levels influenced by steroid, gold and potassium arsenite therapy in, 76
a sequela of hydrallazine therapy, 14
systemic, blood coagulation in, 33

Melanoma, malignant, triethylenephosphoramide for, 101
Meningiomatosis, diffuse, studies on a case of, 142
Menopause symptoms, and hypoglycemia phenomenon, 17
Mercaptopurine for leukemia, 133, 150
Mercuhydrin, and renal tubules, 130
Metabolism
carbohydrate, food intake and, 71
carnitine, 79
cerebral
and catheterization of carotid artery, 127
in hypertension, 73
in hyperthyroidism and myxedema, 73
copper, effect of drugs on, 42
corticosteroid, in liver disease, 84
folic acid, in anemia of hepatic cirrhosis, 56
fructose, effect of carbohydrate deprivation on, 20
glucose, effect of carbohydrate deprivation on, 20
iron
in myelogenous leukemia, 58
in premature infants, 112
lipid, in eunuchoid males and postmenopausal females, 126
magnesium, studies in, 20
potassium, and acute alkalosis, 42
splanchnic, and protein, 43
uterine, measurement of, 102
see also Endocrine gland(s)
Metabolic acidosis, renal function during, 45
Metaplasia, myeloid, splenectomy in, 138
Methods, 25
Micrococcus aureus, leukocytes exposed to, 128
Mitral
commissurotomy
left atrial pressure at, 140
and myocardial ischemia, 11
cardiac enlargement following, 11
stenosis
acute digitalization in, 64
effect of O_2 inhalation on, 11
pulse waves at thoracotomy in, 10
and surgery, studies of, 64
unoperated, study of, 139
valsalva maneuver in, 116
valve
disease with tricuspid insufficiency, 63
surgery, alveolar carbon dioxide levels during, 10

Mushroom poisoning, a new syndrome, 150
Myeloma, multiple
and amyloidosis, 134
rectal administration of urethane in, 4
sera in, 100
Myocardial
infarction,
and control of bowel movements, 12
healed, and cardiovascular function, 12
ischemia, during mitral commissurotomy, 11
lesions, induction of, 22
Myxedema
amino acid pool and protein synthesis in, 86
cerebral circulation and metabolism in, 73
l-Triiodothyronine for, 86

Nalline, effect of, 47
Nausea, control of, 26
Neohydrin, clinical study of, 131
Neoplastic disease, 25, 46, 100–101, 133–134
Neosynephrin
and ballistocardiography, 37
and stroke volume, 37
Nephrectomy
and electrolyte exchanges, 123
and hydrocortisone, 145
Nephrosis
ACTH and cortisone in, 98
hypercholesterolemic, sitosterol for, 127

Obesity, and electrocardiography, 7
Obstetrics and gynecology, 102–103
Oliguria, muscle damage in, 108
Osteoarthritis, blood glutathione levels influenced by steroid, gold and potassium arsenite therapy in, 76
Ovalocytosis, and heredity, 1
Oximetric-photic flicker profile, in appraisal of centrally-acting drugs, 135
Oxygen consumption, in hepatic coma, 74

Papilledema, in hypertension, 15
Paracentesis, and cardiac output, 149
Paralysis, sleep, controlled by insulin hypoglycemia, 19
Pepsin, gastric, and anticholinergic drugs, 44
Pericarditis
constrictive, before and after surgery, 139
pressure pulses in patients with, 9
Peripheral resistance, toe plethysmography in, 71
Pharmacology and therapeutics, 25–27, 46–47, 103–104, 134–135
Phenol turbidity, and heparin, 34
Phenylbutazone, uricosuric effect of, 26
Phosphorus, liver, and glycogen storage, 42
Pitressin, and body water and electrolyte content, 80
Pituitary
growth hormone, metabolic studies with, 143
hypofunction, in diabetes insipidus, 142
Planigraphy, in valvular and cardiac calcification, 36
Plasma
clearance, of Bromsulfalein, 99
17-hydroxycorticosteroid, and irradiation, 144
inhibitor, isolated, 114
lipids, in diabetic vascular disease, 143
proteolytic enzyme, and trypsin and streptokinase, 63
sodium, determination of, 124
volume
in congestive heart failure, 119
and water excretion, 95
Plethysmography, toe, in peripheral resistance and hypertension, 71
Plumbisim, erythrocyte fragilities in, 55
Pneumonia
bacterial
erythromycin for, 92
treatment of, 45
bronchial, after tracheotomy, 91
Pneumoperitoneum, and ambient air, 28
Poliomyelitis, pulmonary mechanics in, 74
Polycythemia
hematocrit studies in, 58
in pulmonary emphysema, 106
Potassium
content, and temperature, 123
deficiency, following nephrectomy, 83, 123
Potassium
depletion
and renal function and acid-base balance, 95
by vivodialysis, 46
intoxication, and ionic interrelationships, 20
in normalcy and joint disease, 121
Pregnancy
measurement of uterine blood flow and metabolism in, 102
toxemic, and acid-base balance, 147
Pressure
atrial
at mitral commissurotomy, 140
and pulmonary function, 67
intracranial, renal responses to, 38
pulses, in patients with pericarditis and pericardial effusion, 9
Proconvertin test, simplified, 62
Prostigmine, antifibrillatory effect in hypothermia, 65
Protein(s)
anabolism, and quinidine, 25
C-reactive, as measure of rheumatic activity, 39
C- and Cx production and cortisone and ACTH, 75
diet, and dihydrotestosterone, 86
deficiency, and serum diastase and albumin values, 24
-lipid association, and gonadal steroids, 87
and splanchnic circulation and metabolism, 43
synovial fluid, changes in rheumatoid arthritis, 76
synthesis, in myxedema, 86
in traumatic arteriovenous fistulas and normalcy, 119
Prothrombin assay, and ethylene diamine tetra-acetic acid, 62
Prothromboplastin platelet, a study of, 33
Pulmonary
circulation, and lobar alveolar gas concentrations, 151
compliance, measurement of, 151
disease
breathing in, 106, 135
radioiodine for, 107
emphysema, *see* Emphysema, pulmonary
function
determination of gas mixing in, 135
and intermittent positive pressure breathing, 28
and left atrial pressure, 67
hemodynamics, in atrial septal defects, 9
insufficiency, nature of, 104
mechanics, in poliomyelitis, 74
research, editorial, 109
vascular resistance, in emphysema, 105
Pulse
rate, and exercise, 5
waves, at thoracotomy in mitral stenosis and regurgitation, 10
Pulsus alternans, a study of, 8
Pyelonephritis, chronic, bacterial flora of, 129
Pyrogen, bacterial, in hypertension, 73

Quinidine, new property of, 25

Radiochromium-tagged cells, for determining blood volume, 66
Radioiodine
-labelled glucagon, 78
-labelled l-thyroxine and triiodothyronine, distribution and fate of, 144
for lung disease, 107
renal clearance of, 23, 96
uptake of, in post-thyrotoxic exophthalmos, 144
Radiophosphorus therapy, in myelogenous leukemia, 58
Radiopotassium space, determination of, 81
Radiosodium spaces, determination of, 81

Radiosulphate spaces, determination of, 81
Radiosulphur, and inulin, distribution of, 81
Rauwiloid, for hypertension, 70
Rauwolfia serpentina, for hypertension, 13
Regurgitation, at thoracotomy in mitral stenosis, 10
Renal
deficiency, and electrolytes, 97
disease, body sodium and water in, 82
excretion, and emotions, 124
function
and acidosis, 147
and biopsy, 97
and broad spectrum antibiotics, 93
in hypertension, 14
in hypotension, 130
and intraperitoneal air, 96
during metabolic acidosis, 45
in potassium depletion, 95
in sickle cell disease, 57
insufficiency
metabolism in, 98
post-traumatic, 147
phosphorus reabsorption, measurement of, 125
responses to intracranial pressure, 38
tubules, and Mercuhydrin, 130
see also Kidney
Reserpin, for hypertension, 38, 72, 121
Respiration
in abnormal pulmonary function, 28
velocity-expiratory volume and maximum breathing capacity in, 104
Respiratory
depression, and Nalline, 47
glossopharyngeal breathing, 27
insufficiency, evaluation of, 104
system, 27–28, 47–48, 104–107, 135–136, 150–151
Reticulocytes, in premature infants, 112
Rheumatic
activity, and C-reactive protein, 39
carditis, and cortisone, 39
fever
Compound F for, 75
electrophoresis in, 40
pathogenesis of, 75
a skin test for, 15
Rheumatoid arthritis
anemia in, 54, 55
β-glucuronidase concentration of synovial fluid in, 77
blood glutathione levels influenced by steroid, gold and potassium arsenite therapy in, 76
hydrocortisone acetate in, 122
a sequela of hydrallazine therapy, 14
sodium and potassium in, 121
synovial fluid protein changes in, 76
Roentgenology
in esophageal transport, 43
with dysphagia, 88
Thorotrast in, 107
Saliva, electrolytes in, 88
Salt
excretion, in hypertension, 70
retention, and cortisone, 145
Sarcoidosis
ACTH for, 141
hypercalcuria in, 40
skin-sensitizing antigen in, 141
Schizophrenia, cerebral blood flow in, 141
Scintography, for diagnosis of liver and gallbladder disease, 23
Sclerosis
cerebral blood flow in, 141
systemic (scleroderma), ACTH and fatal hypertension in, 145
Septal defects, atrial
pulmonary hemodynamic pattern in, 9
surgical correction of, 9, 35
Sequesterene, *see* ethylene diamine tetra-acetic acid
Serum
albumin
in anorexia nervosa, 79
and protein deficiency, 24
cholesterol, affected by thyroid extract, 85
desoxyribonuclease, and liver function, 132
diastase, and protein deficiency, 24
electrolyte exchanges, in potassium deficiency following nephrectomy, 83
gamma globulin, absence of, 29
iron, in premature infants, 112
lipid and lipoprotein, after sitosterol, 127
lipoprotein
affected by thyroid extract, 85
distribution induced by gonadal steroids, 87
lipids, and heparin, 34
mucopolysaccharides, in diabetics and nondiabetics with vascular disease, 72
mucoprotein, in hepatobiliary disease, 132
phospholipid, in diabetes mellitus, 78
protein
electrophoresis of, 138
fat and carbohydrate, in multiple myeloma, 100
sodium, and erythrocyte potassium concentrations, 82
total base determination of, 142
Sickle cell
anemia, erythrocyte destruction in, 57
disease, renal function in, 57
Sitosterol, administration, in normalcy, hypercholesterolemic nephrosis and biliary cirrhosis, 127
Skin
oxygen tension, in mitral stenosis with O_2 inhalation, 11
sensitizing antibody, in antisera, 77
temperature, and vasodilator agents, 71
test, for insulin allergy and resistance, 19
Smallpox vaccination, response to, 90
Sodium
clearance, with exercise in heart disease, 6
excretion
with exercise in heart disease, 130
in hypertension, 70
in stress, 124
volume factor in, 95
in normalcy and joint disease, 121
intake
and body weight changes due to testosterone proprionate, 87
and hypertension, 69
p-sulfamyl benzoate, and the hypertensive kidney, 22
retention
in edema, 82
and emotions, 124
spaces, and extracellular fluid volume, 81
Sonic energy, and blood coagulation, 61
Spinal cord reflex, electromyographic study of, 73
Splenectomy
in erythrocytic hypoplasia, 113
and hydrocortisone, 145
in idiopathic thrombocytopenic purpura, 61
in myeloid metaplasia, 138
Sprue, and vitamin B_{12} excretion, 56
Staphylococci, carriers of, 90
Stenosis
aortic, circulatory dynamics in, 36
mitral, *see* Mitral, stenosis
pulmonic
operative studies of, 63
in a possible new syndrome, 8
tricuspid
diagnosis of, 139
in a possible new syndrome, 8
Steroids, gonadal, and protein-lipid association, 87
Stomach mucosa, microscopic study of, 21
Streptococci, hemolytic, incidence of, 128
Streptokinase, in plasma proteolytic enzyme, 63
Streptomycin
for bacterial endocarditis, 128
and tubercle bacilli, 92
Stress, sodium and water excretion in, 124
Stroke volume, and Neosynephrin, 37
Sulfonamide, insoluble, absorption of, 129
Surgery, 108, 136
in atrial septal defect, 35

in intra-atrial septal defects, 9
for mitral stenosis, 64
for pulmonic stenosis, 63
Synovial fluid
β-glucuronidase concentration, in rheumatoid arthritis, 77
protein changes, in rheumatoid arthritis, 76
in rheumatoid arthritis, 121, 122

Telangiectasia, essential, in a possible new syndrome, 8
Testosterone
enanthate, clinical experience with, 146
proprionate, body weight changes due to, 87
Thermal injury, and erythrocyte life span, 54
Thiamine
concentration in heart failure, 66
deficiency, in cardiac decompensation, 66
Thiocyanate
ion, and pulmonary circulation, 67
migration of, 38, 120
Thoracocervical vagectomy, and cardiovascular response to exercise, 6
Thoracotomy, and mitral disease, 10
Thorotrast, and roentgenology, study of, 107
Thrombocythemia, a myth, 114
"Thrombocytopenia of replacement transfusion," and surgical bleeding, 61
Thromboembolic disease, and intramuscular trypsin, 34
Thromboplastin, formation, disorders of, 137
Thymoma, and refractory anemia, 29
Thyroid
extract, effect on serum lipoproteins and cholesterol, 85
function, affect of cold on, 86
gland
inorganic iodide in, 40
toxic, effect of iodide on, 85
metabolism, a study of, 85
reserve, low, a clinical entity, 16
Thyrotrophin, and iodine binding and collection, 143
Thyroxine
distribution and fate of, 144
in euthyroidism, 41
Time-base analysis, of heart sounds and murmurs, 6
Toxemia, differentiated from hypertension, 102
Toxoplasmosis, epidemiology of, 91
Tracheotomy, in bronchopneumonia, 91
Trafuril, as skin test for rheumatic fever, 15
Tricuspid insufficiency, diagnosis of, 63
Triethylenephosphoramide, for malignant myeloma, 101
Triiodothyronine
distribution and fate of, 144
in euthyroidism, 41
Trypsin
in plasma proteolytic enzyme, 63
intramuscular, in thromboembolic disease, 34
Tubercle bacilli, and streptomycin and Isoniazid, 92
T wave
in anxiety, 65
postprandial decline in, 118

Urethane
rectal administration of in chronic leukemias and multiple myeloma, 4
Uric acid, excretion, and phenylbutazone, 26
Urinary
sedimentation, observations on, 97
tract, *see* Kidney and urinary tract
Urine ion concentration, and glucose and fructose, 78
Uropepsinogen excretion, and anticholinergic drugs, 44

Valsalva maneuver, in mitral stenosis and normalcy, 116
Vascular disease, in diabetes, 72
Vasodilatation, and skin temperature, 71
Vectorcardiography, in ventricular hypertrophy, 36
Venesection, in pulmonary emphysema, 106
Venomotor tone, in circulatory adjustments, 119
Venous
pressure
in congestive heart failure, 110
determined by hepatic vein catheterization, 148
-volume curve, of leg, 69
Ventricular function, and aortic valve disease, 64
Veriloid, for hypertension, 70
Vitamin
A absorption, effect of eating on, 21
B_{12}
absorption after total gastrectomy, 31
crystalline
absorption and excretion of, 55
for pernicious anemia, 32
intestinal absorption of, 32
and maturation of megaloblasts, 3
in pernicious and hemolytic anemia and sprue, 3
radioactive
scintillation measurements of, 31, 32
uptake by liver, 32
urinary excretion of, 56
B_{12f}, antipernicious anemia activity of, 3
K, in hypoprothrombinemia, 5

Water
in blood, electrotitrimetric measurement of, 79, 80
excretion
with exercise in heart disease, 130
plasma volume alterations in, 95
in stress, 124
heavy, and pulmonary circulation, 67
retention
and cortisone, 145
and emotions, 124